

Bloom's Taxonomy [1956] & Bloom's Cognitive Process Dimensions [2005]

Knowledge -- Define, duplicate, label, list, name, order, recognize, relate, recall	Remember Retrieve knowledge from long-term memory, recognize, recall, <u>locate</u> , <u>identify</u>
Comprehension -- <u>Classify</u> , describe, discuss, <u>explain</u> , express, <u>identify</u> , indicate, <u>locate</u> , recognize, report, review, select, translate	Understand -- Construct meaning, clarify, paraphrase, represent, translate, <u>illustrate</u> , give examples, <u>classify</u> , <u>categorize</u> , summarize, generalize, <u>predict</u> ...
Application -- Apply, choose, demonstrate, dramatize, employ, <u>illustrate</u> , interpret, practice, <u>write</u>	Apply -- Carry out or use a procedure in a given situation; carry out or use /apply to an unfamiliar task
Analysis -- Analyze, <u>appraise</u> , <u>explain</u> calculate, <u>categorize</u> , compare, criticize, discriminate, examine	Analyze -- Break into constituent parts, determine how parts relate
Synthesis -- Rearrange, assemble, collect, compose, create, design, develop, formulate, manage, <u>write</u>	Evaluate -- Make judgments based on criteria, check, detect inconsistencies/fallacies, critique
Evaluation -- <u>Appraise</u> , argue, assess, choose, compare, defend, estimate, <u>explain</u> , judge, <u>predict</u> , rate, core, select, support, value	Create -- Put elements together to form a coherent whole, reorganize elements into new patterns/structures

Webb's Depth-of-Knowledge Levels

- **DOK-1 – Recall & Reproduction** - Recall of a fact, term, principle, concept; perform a routine procedure; locate details
- **DOK-2 - Basic Application of Skills/Concepts** - Use of information; conceptual knowledge; select appropriate procedures for a given task; two or more steps with decision points along the way; routine problems; organize/display data; interpret/use simple graphs; summarize; identify main idea; explain relationships; make predictions
- **DOK-3 - Strategic Thinking** - Requires reasoning, or developing a plan or sequence of steps to approach problem; requires decision making or justification; abstract, complex, or non-routine; often more than one possible answer; support solutions or judgments with text evidence
- **DOK-4 - Extended Thinking** - An investigation or application to real world; requires time to research, problem solve, and process multiple conditions of the problem or task; non-routine manipulations; synthesize information across disciplines/content areas/multiple sources

Depth of Knowledge (DOK) Levels

